

CLAIMS

1. An assembled structure of a connector, comprising a printed circuit board (PCB), an I/O port and a connector socket configured in a jack frame, wherein:

wires (11) on said PCB form a plurality of jackwire terminals and connector terminals at the front or back of the said PCB in a one-one manner, said jackwire terminals (12) and said connector terminals (13) are both formed by metal layer;

said I/O port has a plurality of spring jackwires corresponding to said jackwire terminals, each spring jackwire is fixed at the front of a jackwire block respectively so that each spring jackwire is electrically insulated with each other, said jackwire block is hollow and embedded in said PCB, and each spring jackwire extends downwards to inside of said jackwire block to form a spring plate with deflection;

a plurality of beam contacts corresponding to said connector terminals are arranged on a connector socket in a one-one manner, and each connector terminal is respectively fixed in said connector socket, so each connector terminal is electrically insulated with each other, a slot is formed at the bottom of said connector socket, said slot can be embedded in said PCB, so that bottom of each beam contact extends downwards to inside of said slot to form a spring plate with deflection;

the jackwire block of said I/O port and slot of said connector socket join said PCB respectively, which enables each jackwire terminal to contact corresponding spring plates in said I/O port, and enables each connector terminal to contact each corresponding bottom spring plates of each beam contact, and enables each spring plate to stably contact corresponding terminal and enables said

jackwire block and said connector to be fixed on said PCB.

2. An assembled structure of a connector according to claim 1, wherein said connector socket particularly refers to two connector sockets in left and right symmetry.